Tuesday, January 23, 2001

11:00 A.M.–12:30 P.M.   CONTRIBUTED SESSION 1

Section A   Missing Data
Chair: John Karon, Ph.D.

7	A Bayesian Analysis of the NHANES III BMI Data with Nonignorability	*Jai Won Choi, Ph.D. and Myron J. Katzoff, Ph.D.*
8	Correlation Coefficient Estimation When Both Variables are Left Censored: Application to HIV Viral Load Assay Data	*Jovonne Williams, M.S.*
46	Inference with Conditional Mean Imputation and with Applications to the Analysis of the National Survey of Lead and Allergens in Housing	*Ming Yin, Ph.D.*
76	An Alternative Method for Forming Nonresponse Adjustment Cells, Applied to Children Without Vaccination Histories from Providers in the National Immunization Survey	*Philip J. Smith, Ph.D.*

Section B   Bayesian and Hierarchical Methods
Chair: John C. Kerkering, M.A.

6	Hierarchical Modeling for Serial Dilution Assays	*Andrew Gelman, Ph.D. or Ginger Chew, Sc.D.*
40	A Hierarchical Model for Antimicrobial Assay Analysis	*Alex R. Varbanov, Ph.D.*
57	Small Area Estimation Of Diabetes Prevalence	*Haitao Chu, M.S.*
36	Comparison of Hierarchical and Conventional Models of the Relation of Individual Life Events to Preterm Delivery	*Nedra Whitehead, Ph.D.*

Section C   General Estimation
Chair: Christopher H. Johnson, M.S.

10	Cancer Incidence and Radio Frequency Radiation Emitting from TV Towers: Investigating an Excess Risk Using Isotonic Regression Models	*Max Bulsara, M.Sc.*
55	Probabilistic Model to Estimate Male-to-female Sexual Transmission of HIV-1	*Hrishikesh Chakraborty, Dr.P.H.*
60	An Investigation of Error Sources and Their Impact in Estimating the Time to the Most Recent Ancestor of Spatially and Temporally Distributed HIV Sequences	*Tom L. Burr, Ph.D.*
64	Treatment Patterns and Health Outcomes: Analyzing Differences in Medical Practices	*Jeffrey J. Geppert, M.A.*

Tuesday, January 23, 2001

2:00 P.M.–3:30 P.M.   CONTRIBUTED SESSION 2

Section A   Statistical Computation
Chair: Andrew R. Autry, Ph.D.

21	Comparison of Hybrid Tree Predictor/Logistic Regression	*Lawrence E. Barker, Ph.D.*
52	Characterizing the Functional Form of a Neural Network Model	*Douglas Landsittel, Ph.D.*
53	Comparing Two Goodness-of-Split Measures for Classification Trees : A Simulation Based Study	*Mousumi Banerjee, Ph.D.*
43	Sequential, Spatial Stochastic Curtailment	*Tim E. Aldrich, Ph.D.*

Section B   Longitudinal Studies
Chair: Gilbert S. Haugh, M.S.

4	Evaluating Effective Degrees of Freedom in Longitudinal Data Sets	*Michael Brimacombe, Ph.D.*
14	Creating and Disseminating Bootstrap Weights: The Canadian NPHS Experience	*Denise Hall*
28	Follow-up Designs and Planned Missing Data in Repeated Measures of Longitudinal Epidemiologic Studies	*Alka Indurkhya, Ph.D.*
47	Illness-death Stochastic Model in the Analysis of Longitudinal Dementia Data	*Jaroslaw Harezlak, M.Sc.*

Section C   Data Collection and Management
Chair: Judith M. Conn, M.S.

20	Toward an Operational Definition of "Personally Identifiable Information"	*Steven M. Banks, Ph.D.*
32	A Web-based Database System Design for Impact Evaluability Assessment of HIV Prevention Efforts and Policies at the Municipal, State and National Levels	*Xiaohong Mao Davis, M.S., M.A.*
48	Cancer in the Disabled Medicaid Population in Oregon: Data Collection and Management	*Jodi Lapidus, Ph.D.*
73	Use of Replication Methods in the National Immunization Survey to Account for Nonsampling Weight Adjustments	*Philip J. Smith, Ph.D.*

Wednesday, January 24, 2001

11:00 A.M.–12:30 P.M.   CONTRIBUTED SESSION 3

Section A   Massive Data Sets
Chair: Doug P. Landsittel, Ph.D.

59   Using Large Datasets from Multiple Sources: Achieving   *Mary E. Hewitt*
Flexibility, Performance, and Data Quality, Or: Data Encounters
of the Third Normal Kind

58   An Environmental Information Management System Integrating   *Dana Abouelnasr, Ph.D.*
Textual, Graphical, and Geographical Interfaces Textual,
Graphical, and Geographical Interfaces

69   Venue-Based Sampling Of Young Men Who Have Sex With Men   *Lillian S. Lin, Ph.D.*
(YMSM): A Practical Approach To Collecting Representative
Data On A Hard To Reach Population

37/38   A Record Linkage Technique for the Reconstruction of   *Lara Lusa*
Individual Histories in Large Databases

Section B   Mixed Models
Chair: Shailen N. Banerjee, Ph.D.

35   Evaluation of Variance Components in an Mcf-7 Cell Culture   *B. Rey de Castro, Sc.D.*
Assay (E-Screen) Using Generalized Linear Mixed Models
(Glmms) and a Score Test

12   Nonparametric Functions and Random Effects. A Generalised   *Marc Saez, Ph.D.*
Additive Mixed Models Approach

56   Estimating Correlation by Using General Linear Mixed   *Hrishikesh Chakraborty, Dr.P.H.*
Models: Correlation Between the Concentration of Blood and
Semen HIV-1 RNA

66   Generalized Linear Additive Smooth Structures and Complicated   *Brian D. Marx, Ph.D.*
Models for Large Scale Medical Data

Section C   Generalized Linear Models
Chair: William W. Thompson, Ph.D.

26   Multiple Comparison with a Control in the Presence of   *Jean G. Orelien, M.S.*
Correlated Data

31   Impact of Ignoring Centers on Evaluating the Influence of   *Laura P. Coombs, Ph.D.*
Process Measures

65   Using 'Lowess' to Remove Systematic Trends from   *Craig B. Borkowf, Ph.D.*
Contaminated Data Prior to Logistic Regression with Empirical
Quantile-Categories: A Case Study Involving Esophageal Cancer

54   Measuring Disease Progression with Clinical Risk Groups   *Jon Eisenhandler, Ph.D.*